

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	((regenerat\$4 or (re adj generat\$4)) adj divid\$4) and ((polyphase or (poly adj phase)) adj filt\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 12:56
S2	3	S1 and (@rlad<"20030108" or @ad<"20030108" or @ptad<"20030108")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 12:17
S3	7	"7046980" .pn. or "7016662" .pn. "6973297" .pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 18:33
S4	11	((regenerat\$4 or (re adj generat\$4)) adj divid\$4) and (mix\$3 or (frequency adj convert\$4)) and filt\$4 and sin\$2 and cos\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 18:53
S5	9	S4 and (@rlad<"20030108" or @ad<"20030108" or @ptad<"20030108")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/16 10:57

## EAST Search History

S6	117	(divid\$4 with sin\$1) and (divid\$4 with cos\$3) and (mix\$4 or (frequency adj convert\$4)) and ((filt\$4 or attenuat\$4) with (sin\$1)) and ((filt\$4 or attenuat\$4) with (cos\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 12:16
S7	94	S6 and (@rlad<"20030108" or @ad<"20030108" or @ptad<"20030108")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 15:53
S8	77	S7 and (synthesi\$4 or oscillat\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 12:20
S9	6	S8 and (regenerat\$4 or (re adj generat\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 12:21
S10	493	((regenerat\$4 or (re adj generat\$4)) near2 divid\$4) and (mix\$4 or (frequency adj conver\$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 12:58
S11	456	S10 and (@rlad<"20030108" or @ad<"20030108" or @ptad<"20030108")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 14:43

## EAST Search History

S12	62	S11 and (oscillat\$4 with signal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 14:39
S13	16323	((oscillat\$4 adj2 signal) or (synthes\$5 near\$3 generat\$4)) and divid\$4 and (mix\$4 or (frequency adj conver\$6)) and (filt\$3 or attenuat\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 15:02
S14	4560	S13 and (divid\$4 same (mix\$4 or (frequency adj conver\$6))) and (divid\$4 and (filt\$3 or attenuat\$3)) and ((mix\$4 or (frequency adj conver\$6)) same (filt\$3 or attenuat\$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 15:52
S15	3992	S14 and (@rlad<"20030108" or @ad<"20030108" or @ptad<"20030108")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 14:45
S16	2265	S15 and ((frequency or phase) with shift\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 15:18
S17	514	S16 and ((sin or sine or sinusoidal) same (cos or cosine))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:20

## EAST Search History

S18	108	S17 and (((oscillat\$4 adj2 signal) or (synthe\$5 near3 generat\$4)).ab.) or ((oscillat\$4 adj2 signal) or (synthe\$5 near3 generat\$4)).ti.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:21	
S19	73	((synthe\$5 with generat\$4).ti. or (synthe\$5 with generat\$4).ab.) and (up with down with conversion)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 15:38	
S20	235	((synthe\$5 or oscillat\$4).ti. or ((synthe\$5 or oscillat\$4) with generat\$4).ab.) and (up with down with conversion)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:19	
S21	828	((synthe\$5 or oscillat\$4) with generat\$4).ti. or ((synthe\$5 or oscillat\$4) with generat\$4).ab.) and ((up with down) or direct) with conversion	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:36	
S22	244	S21 and (divid\$4 same (mix\$4 or (frequency adj conver\$6))) and (divid\$4 and (filt\$3 or attenuat\$3)) and ((mix\$4 or (frequency adj conver\$6)) same (filt\$3 or attenuat\$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:22	
S23	94	S7 and (@rlad<"20030108" or @ad<"20030108" or @ptad<"20030108")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:22	

## EAST Search History

S24	4692	((sin or sine or sinusoidal) near2 (cos or cosine)) with generat\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:23
S25	2321	S24 and (oscillat\$4 or synthes\$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:23
S26	2097	S25 and (@rlad<"20030108" or @ad<"20030108" or @ptad<"20030108")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:43
S27	310	S26 and ((divid\$4 or multip\$4) same (mix\$4 or (frequency adj conver\$6))) and (divid\$4 and (filt\$3 or attenuat\$3)) and ((mix\$4 or (frequency adj conver\$6)) same (filt\$3 or attenuat\$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:40
S28	194	S26 and ((divid\$4 or multip\$4) same (mix\$4 or (frequency adj conver\$6))) and (divid\$4 same (filt\$3 or attenuat\$3)) and ((mix\$4 or (frequency adj conver\$6)) same (filt\$3 or attenuat\$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:38
S29	14	S28 and (regenerat\$4 or (re adj generat\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:39

## EAST Search History

S30	43	S28 and (((up with down) or direct) with conversion)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:38
S31	0	S28 and ((regenerat\$4 or (re adj generat\$4)) with divid\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:39
S32	45	((regenerat\$4 or (re adj generat\$4)) with divid\$4) and ((sin or sine or sinusoidal) same (cos or cosine))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:44
S33	32	S32 and ((divid\$4 or multip\$4) and (mix\$4 or (frequency adj conver\$6)) and (filt\$3 or attenuat\$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:43
S34	30	S33 and (@rlad<"20030108" or @ad<"20030108" or @ptad<"20030108")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 16:43
S35	16	(regenerat\$3 adj divi\$5) and (direct adj conver\$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/16 14:33

## EAST Search History

		EAST Search History				
SID	Count	Search Query	Search Fields	Boolean Operator	Match Type	Search Date
S36	15	S35 and (@had<"20030108" or @ad<"20030108" or @ptad<"20030108")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/16 15:06
S37	0	(regenerat\$3 adj div\$5) same phase same quad\$7 same (in adj phase)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/16 12:07
S38	2	"20040080373"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/16 12:27
S39	17	(US-20060141952-\$ or US-20050180528-\$ or US-20040080373-\$ or US-20010039182-\$).did. or (US-5881100-\$ or US-5953370-\$ or US-5757794-\$ or US-7016662-\$ or US-6574462-\$ or US-6788157-\$ or US-6731923-\$ or US-6148181-\$ or US-4599743-\$ or US-6973297-\$ or US-7046980-\$ or US-7106805-\$).did. or (WO-200275941-\$).did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/16 15:01
S40	2	S39 and (mono and multi)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/10/16 15:02
S41	6	(VLO or (virtual adj local adj oscillator)) and ((multi or (non adj mono)) same mono)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/10/16 15:04
S42	4	S41 and (@rlad<"20030108" or @ad<"20030108" or @ptad<"20030108")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/16 15:07

## EAST Search History

S43	2	S42 and (demodulat\$4 or (de adj demodulat\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/16 15:07